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(71) Applicant: **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, NY 10504 (US).

(71) Applicant (for MG only): **IBM UNITED KINGDOM LIMITED** [GB/GB]; P O Box 41, North Harbour, Portsmouth, Hampshire PO6 3AU (GB).

(72) Inventors: **AGARWAL, Vikas**; E-13/12, Vasant Vihar, 110057 New Delhi (IN). **CHAFLE, Girish**; BG/6D; DDA Flats, Munirka, 110067 New Delhi (IN). **KARNIK, Neeran, Mohan**; B-160 (first floor), Shivalik Colony, 110017 New Delhi (IN). **KUMAR, Arun**; 95-D, Sunder Apts, GH-10, Paschim Vihar, 110087 New Delhi (IN).

**KUNDU, Ashish**; IBM India Research Laboratory, Block 1, Indian Institute of Technology, Hauz Khas, 110016 New Delhi (IN). **VARMA, Pradeep**; 10 West Avenue, IIT Campus, Hauz Khas, 110016 New Delhi (IN). **SHAHABUDDIN, Johara**; 8/404 East End Apartments, Mayur Vihar - 1 Extn, 110016 New Delhi (IN).

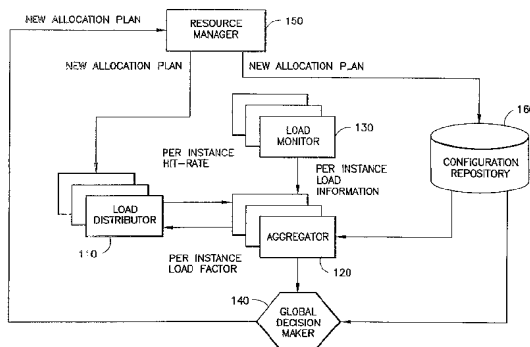
(74) Agent: **LING, Christopher, John**; IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester, Hampshire SO21 2JN (GB).

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[Continued on next page]

(54) Title: MANAGING SERVER RESOURCES FOR HOSTED APPLICATIONS



(57) Abstract: In an ASP server farm, requests to use an application are directed to a particular executing instance of the application (or an appropriate component thereof) that is identified as being the least loaded of the available such instances of the application or its component. The number of such instances is dynamically increased or decreased in response to the number of requests for the application or components thereof. Requests may be directed (in accordance with the first aspect) or the instances adjusted (in accordance with a second aspect) on a per client-basis, in which instances of the application and/or components thereof are reserved for the use of a user or a particular group of users. Operation in this manner facilitates compliance with service agreements with respective users or groups of users. A record is maintained of the resources currently allocated and resources currently consumed for each combination of instance and user, in terms of load factors placed on the instances by requests serviced by those instances of the application or its components. The above arrangement permits a service agreement with a user to be structured in terms of an estimated range of requests for an application, with charges levied for servicing request rates within one or more different bands within this estimated range. Penalty rates are charged (in favour of the user) when requests are not serviced.



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A. CLASSIFICATION OF SUBJECT MATTER  
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Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 905 621 A (LUCENT TECHNOLOGIES INC) 31 March 1999 (1999-03-31) column 1, line 38 -column 3, line 11 column 4, line 51 - line 57 column 6, line 37 - line 52 --- -/--</p>	1, 14, 15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \* & \* document member of the same patent family

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Michel, T

## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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